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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,742

DATE: 08/17/2001
TIME: 12:04:27

Input Set: A:\0399.1192-008 SEQLIST.TXT
Output Set: N:\CRF3\08162001\1746742.raw

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4 <110> APPLICANT: Eckert, Deborah M.
                                                               ENTERED
             Chan, David C.
             Malashkevich, Vladimir
             Carr, Peter A.
     7
    10 <120> TITLE OF INVENTION: Inhibitors of HIV Membrane Fusion
    13 <130> FILE REFERENCE: 0399.1192-008
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/746,742
     16 <141> CURRENT FILING DATE: 2000-12-21
     18 <150> PRIOR APPLICATION NUMBER: PCT/US99/17351
     19 <151> PRIOR FILING DATE: 1999-07-30
     21 <150> PRIOR APPLICATION NUMBER: US 60/043,280
     22 <151> PRIOR FILING DATE: 1997-04-17
     24 <150> PRIOR APPLICATION NUMBER: US 09/062,241
     25 <151> PRIOR FILING DATE: 1998-04-17
     27 <150> PRIOR APPLICATION NUMBER: US 60/094,676
     28 <151> PRIOR FILING DATE: 1998-07-30
     30 <150> PRIOR APPLICATION NUMBER: US 60/100,265
      31 <151> PRIOR FILING DATE: 1998-09-14
      33 <150> PRIOR APPLICATION NUMBER: US 60/101,058
      34 <151> PRIOR FILING DATE: 1998-09-18
      36 <150> PRIOR APPLICATION NUMBER: US 60/132,295
      37 <151> PRIOR FILING DATE: 1999-05-03
      39 <160> NUMBER OF SEQ ID NOS: 68
      41 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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      45 <212> TYPE: PRT
      46 <213> ORGANISM: Artificial Sequence
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      49 <223> OTHER INFORMATION: GCN4-PIQI
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       55 Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu
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       56
       57 Arg
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       62 <211> LENGTH: 45
       63 <212> TYPE: PRT
       64 <213> ORGANISM: Artificial Sequence
        66 <220> FEATURE:
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        72 Lys Lys Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Leu Gln Leu
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75 35
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81 <213> ORGANISM: Artificial Sequence
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87 <400> SEQUENCE: 3
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 89 1
 92 <210> SEQ ID NO: 4
 93 <211> LENGTH: 12
 94 <212> TYPE: PRT
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: D-peptide
 101 <400> SEQUENCE: 4
 102 Cys Glu Ala Arg His Arg Glu Trp Ala Trp Leu Cys
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 103 1
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 107 <211> LENGTH: 12
  108 <212> TYPE: PRT
  109 <213> ORGANISM: Artificial Sequence
  111 <220> FEATURE:
  112 <223> OTHER INFORMATION: D-peptide
  115 <400> SEQUENCE: 5
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  117 1
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  122 <212> TYPE: PRT
  123 <213> ORGANISM: Artificial Sequence
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   129 <400> SEQUENCE: 6
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   136 <212> TYPE: PRT
   137 <213> ORGANISM: Artificial Sequence
   139 <220> FEATURE:
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   143 <400> SEQUENCE: 7
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    145 1
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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/746,742

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150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: D-peptide
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 159 1
 162 <210> SEQ ID NO: 9
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 164 <212> TYPE: PRT
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 171 <400> SEQUENCE: 9
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  173 1
  176 <210> SEQ ID NO: 10
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  178 <212> TYPE: PRT
  179 <213> ORGANISM: Artificial Sequence
  181 <220> FEATURE:
  182 <223> OTHER INFORMATION: D-peptide
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  186 Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp Leu Cys
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   187 1
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   191 <211> LENGTH: 12
   192 <212> TYPE: PRT
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    206 <212> TYPE: PRT
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    215 <223> OTHER INFORMATION: Xaa = Any Amino Acid
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    213 <221> NAME/KEY: VARIANT
    214 <222> LOCATION: (1)...(11)
W--> 218 Cys Xaa Xaa Xaa Xaa Glu Trp Xaa Trp Leu
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     223 <211> LENGTH: 35
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,742

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Input Set : A:\0399.1192-008 SEQLIST.TXT
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224 <212> TYPE: PRT
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227 <220> FEATURE:
228 <223> OTHER INFORMATION: N36 \sim
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234 Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala
         20
235
 236 Arg Ile Leu
            35
 240 <210> SEQ ID NO: 14
 241 <211> LENGTH: 34
 242 <212> TYPE: PRT
 243 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: C34
 250 Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His
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  253
  254 Leu Leu
  258 <210> SEQ ID NO: 15
  259 <211> LENGTH: 16
  260 <212> TYPE: PRT
  261 <213> ORGANISM: Artificial Sequence
  263 <220> FEATURE:
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  267 <400> SEQUENCE: 15
   269 1
   272 <210> SEQ ID NO: 16
   273 <211> LENGTH: 16
   274 <212> TYPE: PRT
   275 <213> ORGANISM: Artificial Sequence
   277 <220> FEATURE:
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   283 1
   286 <210> SEQ ID NO: 17
    287 <211> LENGTH: 18
    288 <212> TYPE: PRT
    289 <213> ORGANISM: Artificial Sequence
    291 <220> FEATURE:
    292 <223> OTHER INFORMATION: D-peptide -
    296 Lys Lys Lys Gly Ala Cys Glu Leu Leu Gly Trp Glu Trp Ala Trp
```

DATE: 08/17/2001

TIME: 12:04:27

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Input Set : A:\0399.1192-008 SEQLIST.TXT
                Output Set: N:\CRF3\08162001\1746742.raw
                                                             15
                                        10
297 1
298 Leu Cys
302 <210> SEQ ID NO: 18
303 <211> LENGTH: 16
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence \checkmark
307 <220> FEATURE:
308 <223> OTHER INFORMATION: D-peptide
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313 1
316 <210> SEQ ID NO: 19
317 <211> LENGTH: 18
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
 321 <220> FEATURE:
 322 <223> OTHER INFORMATION: D-peptide
 326 Lys Lys Gly Ala Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp Leu Cys
 327 1
 328 Ala Ala
 332 <210> SEQ ID NO: 20
 333 <211> LENGTH: 17
 334 <212> TYPE: PRT
 335 <213> ORGANISM: Artificial Sequence
 337 <220> FEATURE:
 338 <223> OTHER INFORMATION: HIV-1 Residues
 342 Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile
  343 1
  344 Leu
  348 <210> SEQ ID NO: 21
  349 <211> LENGTH: 24
  350 <212> TYPE: PRT
  351 <213> ORGANISM: Artificial Sequence \sim
  354 <223> OTHER INFORMATION: 24 Residues from the N- Terminal End of N26
  358 Ser Gly Ile Val Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala
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                       5
  359 1
  360 Gln Gln His Leu Leu Gln Leu Thr
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  364 <210> SEQ ID NO: 22
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   366 <212> TYPE: PRT
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   369 <220> FEATURE:
   370 <223> OTHER INFORMATION: IQN24n
   373 <400> SEQUENCE: 22
         Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
         Please Note:
         Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
         <223> fields of each sequence which presents at least one n or Xaa.
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/746,742

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/746,742

DATE: 08/17/2001 TIME: 12:04:28

Input Set : A:\0399.1192-008 SEQLIST.TXT
Output Set: N:\CRF3\08162001\I746742.raw

```
L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
 L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
 L:1027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
 L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
 L:1047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
 L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
 L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
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